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Key: IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IEE CNF = IEE Conference, IEEE STD = IEEE Standard

1. Map-based navigation for a mobile robot with omnidirectional image sensor

Yagi, Y.; Nishizawa, Y.; Yachida, M.; Robotics and Automation, IEEE Transactions on Volume 11, Issue 5, Oct. 1995 Page(s):634 - 648

2. Visual servoing for large camera displacements

Chesi, G.; Vicino, A.; Robotics, IEEE Transactions on [see also Robotics and Automation, IEEE Transactions on] Volume 20, Issue 4, Aug. 2004 Page(s):724 - 735 IEEE JNL

3. Determining robot location by cylindrical object shapes Lee, J.-D.; Chen, C.-H.; Lee, J.-Y.; You, Y.-C.; Electronics Letters
Volume 28, Issue 11, 21 May 1992 Page(s):1044 - 1045
IEE JNL

4. Three dimensional object location in the eye-on-hand robot system Zhixiang Xu; Wei Sun; Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics and Simulation'., 1997 IEEE International Conference on Volume 2, 12-15 Oct. 1997 Page(s):1235 - 1238 vol.2 IEEE CNF

5. "Where are you driving to?" Heading direction for a mobile robot from optical flow

Dev, A.; Krose, B.J.A.; Groen, F.C.A.; Robotics and Automation, 1998. Proceedings. 1998 IEEE International Conference on Volume 2, 16-20 May 1998 Page(s):1578 - 1583 vol.2 IEEE CNF

6. Incremental map building using an occupancy grid for an autonomous monocular robot

Gartshore, R.; Aguado, A.; Galambos, C.; Control, Automation, Robotics and Vision, 2002. ICARCV 2002. 7th International Conference on Volume 2, 2-5 Dec. 2002 Page(s):613 - 618 vol.2 IEEE CNF

- 7. Hybrid Motion Control and Planning Strategies for Visual Servoing Lingfeng Deng; Janabi-Sharifi, F.; Wilson, W.J.; Industrial Electronics, IEEE Transactions on Volume 52, Issue 4, Aug. 2005 Page(s):1024 1040 IEEE JNL
- 8. Immersive interface for teleoperation

Drews, P.; Krause, C.; Industrial Electronics Society, 1998. IECON '98. Proceedings of the 24th Annual Conference of the IEEE Volume 1, 31 Aug.-4 Sept. 1998 Page(s):87 - 91 vol.1 **IEEE CNF**

9. Estimating location and avoiding collision against unknown obstacles for the mobile robot using omnidirectional image sensor COPIS Yagi, Y.; Nishizawa, Y.; Yachida, M.; Intelligent Robots and Systems '91. 'Intelligence for Mechanical Systems, Proceedings IROS '91. IEEE/RSJ International Workshop on 2.5 New 4004 Page (2) 2009 1044 July 2019 3-5 Nov. 1991 Page(s):909 - 914 vol.2 **IEEE CNF**

10. Vision-based robot localization without explicit object models Dudek, G.; Zhang, C. Robotics and Automation, 1996. Proceedings., 1996 IEEE International Conference on Volume 1, 22-28 April 1996 Page(s):76 - 82 vol.1 **IEEE CNF**

11. Integrating visual feedback and force feedback in 3-D collision avoidance for a dual-arm humanoid robot Charoenseang, S.; Srikaew, A.; Wilkes, D.M.; Kawamura, K.; Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference on Volume 4, 11-14 Oct. 1998 Page(s):3406 - 3411 vol.4 **IEEE CNF**

12. Map based navigation of the mobile robot using omnidirectional image sensor COPIS Yagi, Y.; Nishizawa, Y.; Yachida, M.; Robotics and Automation, 1992. Proceedings., 1992 IEEE International 12-14 May 1992 Page(s):47 - 52 vol.1 **IEEE CNF**

13. Setpoint regulation of continuum robots using a fixed camera Chitrakaran, V.K.; Behal, A.; Dawson, D.M.; Walker, I.D.; American Control Conference, 2004. Proceedings of the 2004 Volume 2, 30 June-2 July 2004 Page(s):1504 - 1509 vol.2 IEEE CNF

14. Cascaded filter approach to multi-objective control
Thibodeau, B.J.; Hart, S.W.; Karuppiah, D.R.; Sweeney, J.D.; Brock, O.;
Robotics and Automation, 2004. Proceedings. ICRA '04. 2004 IEEE International Volume 4, Apr 26-May 1, 2004 Page(s):3877 - 3882 Vol.4 **IEEE CNF**

15. Visual sonar: fast obstacle avoidance using monocular vision Lenser, S.; Veloso, M.; Intelligent Robots and Systems, 2003. (IROS 2003). Proceedings. 2003 IEEE/RSJ International Conference on Volume 1, 27-31 Oct. 2003 Page(s):886 - 891 vol.1 **IEEE CNF**

16. Range sensing with a Scheimpflug camera and a CMOS sensor/processor Cilingiroglu, U.; Sicheng Chen; Cilingiroglu, E.; Sensors Journal, IEEE Volume 4, Issue 1, Feb. 2004 Page(s):36 - 44

17. Agent-based telerobotics using multi-sensor fusion
Gang Peng; Xinhan Huang; Youlun Xiong;
Intelligent Control and Automation, 2004. WCICA 2004. Fifth World Congress on Volume 6, 15-19 June 2004 Page(s):4754 - 4758 Vol.6 **IEEE CNF**

18. Detection and handling of moving objects
Rembold, D.; Zimmermann, U.; Langle, T.; Worn, H.;
Industrial Electronics Society, 1998. IECON '98. Proceedings of the 24th Annual Conference of the IEEE Volume 3, 31 Aug.-4 Sept. 1998 Page(s):1332 - 1337 vol.3 **IEEE CNF**

19. Path planning for robust image-based control Mezouar, Y.; Chaumette, F.; Robotics and Automation, IEEE Transactions on Volume 18, Issue 4, Aug. 2002 Page(s):534 - 549 **IEEE JNL**

20. A monocular collision warning system

Woelk, F.; Gehrig, S.; Koch, R.; Computer and Robot Vision, 2005. Proceedings. The 2nd Canadian Conference 9-11 May 2005 Page(s):220 - 227 **IEEE CNF**

21. Path planning with target finding by single camera under map uncertainty

Tomono, M.; Computational Intelligence in Robotics and Automation, 2003. Proceedings. 2003 IEEE International Symposium on Volume 1, 16-20 July 2003 Page(s):465 - 470 vol.1 **IEEE CNF**

22. Active/dynamic stereo vision

Grosso, E.; Tistarelli, M.; Pattern Analysis and Machine Intelligence, IEEE Transactions on Volume 17, Issue 9, Sept. 1995 Page(s):868 - 879 **IEEE JNL**

23. Real-time obstacle avoidance using central flow divergence, and peripheral

Coombs, D.; Herman, M.; Tsai-Hong Hong; Nashman, M.; Robotics and Automation, IEEE Transactions on Volume 14, Issue 1, Feb. 1998 Page(s):49 - 59 **IEEE JNL**

24. Reactive navigation in dynamic environment using a multisensor predictor Kai-Tai Song; Chang, C.C.; Systems, Man and Cybernetics, Part B, IEEE Transactions on Volume 29, Issue 6, Dec. 1999 Page(s):870 - 880 **IEEE JNL**

25. Miniaturized smart cameras for 3D-imaging in real-time [mobile robot

applications]
Blanc, N.; Oggier, T.; Gruener, G.; Weingarten, J.; Codourey, A.; Seitz, P.; Sensors, 2004. Proceedings of IEEE 24-27 Oct. 2004 Page(s):471 - 474 vol.1 **IEEE CNF**